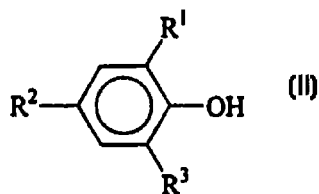
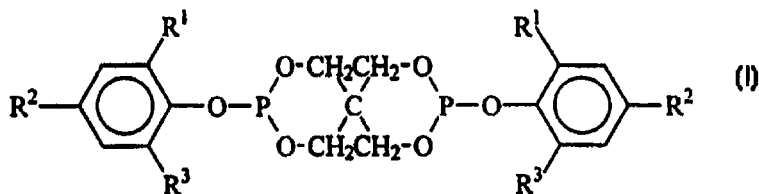




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(57) Abstract

A process for producing organo-phosphites of formula (I), wherein R¹ and R² are each 2,4-di-tert-butyl and R³ is hydrogen is provided. The process involves heating a reaction mixture containing pentaerythritol wherein the pentaerythritol has an average particle size of about 250 microns or less, preferably the pentaerythritol has an average particle size of about 150 microns or less, phosphorous trihalide, a phenolic compound of formula (II), wherein each R¹ and R² is t-butyl and R³ is hydrogen, a solvent selected from the group consisting of heptane, hexane, octane, xylene, toluene, and mixtures of the solvents containing at least one of the aforementioned and a catalyst. The process utilizing the aforementioned pentaerythritol particle size has the unexpected advantages of short reaction times as compared to the same process using a larger pentaerythritol particle size.

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